OTTO Entsorgungssysteme GmbH
GB Gefahrgut

OPERATING INSTRUCTIONS

HAZARDOUS GOODS CONTAINERS FROM METAL (IBC.)

FOR LIQUID SUBSTANCES

MTA 1000-DW

Mobile - filling tank - equipment - double-walled

OTTO Entsorgungssysteme GmbH
Geschäftsbereich Gefahrgut

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Information on the operating instructions

These operating instructions describe use, transport, installation, emptying, and filling as well as recurring inspection of the mobile filling tank equipment type MTA 1000-DW.

Safety information, instructions

- MTA-DWs with this equipment may only be used for diesel.
- The operator may use MTA-DWs only for diesel for which compatibility with container materials, fittings, locks, and seals has been demonstrated.
- Each MTA-DW must be submitted to an internal inspection at intervals of 2.5 years (see paragraph "Inspections").
- Furthermore, each MTA-DW must be submitted to official inspection at regular intervals of 5 years (see paragraph “Inspections”).
- A report on internal inspections must be filed by the owner until the next inspection (see paragraph “Inspections”).
- Any major modifications of MTA-DW, including attachment parts, will lead to the expiry of the UN approval. The transport of diesel in MTA-DWs which are not approved is prohibited.
- Only use original spares for repairs.
- Restraints mentioned in the certificate of approval must be adhered to.
- The MTA 1000-DW hazardous goods container was first submitted to a design and construction test according to the IBC design approval.

Description of MTA-DW

MTA-DW is a rectangular, double-walled container fastened to a transport rack using bolts. The container is made from steel and has a volume of 1000 litres. The fittings area on top is protected on the sides using guard plates and on top using a lockable, spring-suspended cover. In the fittings area, the following items are accommodated: a DN 300 manhole with hinged screw cover, vent valve, pump including counter, automatic filling nozzle with 6m hose, limit indicator, ball valve ventilation and MK50 – VB50 tanker coupling. MTA-DWs are stackable and can be transported using a crane, forklift truck and lift truck.

Technical data

Basic dimensions	1200x1500 mm
Height	1190 mm
Dead weight	465 kg
Total weight	1585 kg
Volume	1000 l
Approval no.	D/BAM/7298/31A

Material certification

Container:	St 37-2 Hot-dip galvanized to DIN 50976.
Rack:	St 37-2 Hot-dip galvanized to DIN 50976.
Dome lid:	St 37-2 Hot-dip galvanized to DIN 50976.
Dome lid seal:	Perpunan, other materials available on request
Fittings:	Brass, stainless steel
Fittings' seals:	Teflon
Bolts etc.:	Electrogalvanized

Purpose of MTA-DW

- MTA-DW mobile filling tank equipment is permitted for transport, storage and filling of diesel.

MTA-DW transport

- Transport and relocation is limited to trained and instructed staff. Relocation and transport of MTA-DW may only be carried out using appropriate, reliable equipment.
- Diesel transport in defective and non-approved MTA-DWs is prohibited.
- MTA-DW, lid, locks and seals must be checked by the user for flawless condition prior to transport.
  The shut-off valve of the suction line and of the ventilation must be locked by all means.
- During transport, no dangerous residues of the content must stick to the outside of MTA-DW.
- During transport, MTA-DW must be safely locked in place or locked inside the transport unit so as to be protected from crosswise and lengthwise movement or shocks and to be suitably protected from the outside.

Installation and storage of MTA-DW

- Installation and storage of MTA-DW is limited to trained and instructed staff.
- No liquid shall be visible in the inspection glass provided in the double shell. Check using the dipstick of the double shell as appropriate.
- The container location must be well ventilated.
- MTA-DW must be installed on a level floor.
- MTA-DW must be protected from weathering, direct sunlight and radiant heat.
- MTA-DW must not be put at risk by traffic of vehicles, work equipment or loads.
- Open the shut-off valve of the suction line and of the ventilation.

Filling the MTA-DW

- Filling of MTA-DW is limited to trained and instructed staff.
- The tank, lid, locks and seals must be checked by the operator for flawless condition prior to each service assignment.
- Any damage to the container wall, base, lids, seals and locks must be immediately remedied as required, or the container may have to be correctly disposed of and replaced.
- Filling of defective and leaking MTA-DWs is prohibited.
- Fill thoroughly. Any spilled liquid must be immediately and correctly removed.
- MTA-DW is filled through the tanker coupling. The filling level is limited by the activated limit indicator.
  The shut-off valve of the ventilation must be open.
- After each filling operation, the tanker vehicle coupling must be closed.

Emptying the MTA

- Emptying of MTA-DW is limited to trained and instructed staff.
- The MTA-DW is emptied using the filling pump and nozzle with automatic stop. The shut-off valve of the suction line and of the ventilation must be open.

Inspection

All MTA-DWs must be submitted to “initial and recurrent inspections”. Initial inspection is carried out by the manufacturer prior to first use of the container for transport purposes. This inspection is followed by recurrent inspections at intervals of max. 2.5 years, i.e., the first internal inspection prior to 2.5 years. This inspection may be performed by an expert employee of the company.
Furthermore, each MTA-DW must be submitted to an official inspection at 5-year intervals to be carried out by an “authorized inspection body”.
Being holders of an approval as “authorized inspection body”, we can offer you this service.
For enquiries, please contact:

OTTO Entsorgungssysteme GmbH
Geschäftsbereich Gefahrgut

Eisenstr. 2
D-57482 Wenden-Gerlingen
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Internal inspections must cover the following individual checks:

1. Leak test

- Constant overpressure of 20kPa (0.2 bar) with air.
- Min. holding time 10 minutes.
- Airtight capability of MTA-DW to be established using appropriate methods.

  Spraying of Nekal or soap suds onto weld seams, lid seals and fittings,
  alternatively air pressure differential test
  or immersion of the MTA-DW into water.
- There must be no leaks.

2. Visual inspection of internal and external condition

- Damage and corrosion on MTA frame and container.
- Damage to equipment.
- Condition of weld seams and joints.
- Condition of load lift mechanisms.
- Condition of container inside.

Successful internal inspection must be documented on the nameplate and in a test report.
The test report must be filed until the time of the next inspection.

Spare parts management

All information required for ordering spares can be found in our spare parts list. For expedient handling of your order, we will need the following information:

- Our designation of the spare part
- Order quantity (quantities quoted in the spare parts list relate to the total number of parts contained in the subassembly concerned)
- Designation of container, production number, year of construction

Please address all spare parts orders to:

OTTO Entsorgungssysteme GmbH
Geschäftsbereich Gefahrgut

Eisenstr. 2
D-57482 Wenden-Gerlingen
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Store spares in a dry, dust-free place and protect them from frost and heat. We recommend the setting up of a racked storage for these items.

We explicitly point out that any parts other than original parts and accessories supplied by us have not been tested and released by us. Installation or attachment and use of such parts may affect specified design features of the container.

We accept no liability for damage resulting from the use of external spares and accessories.

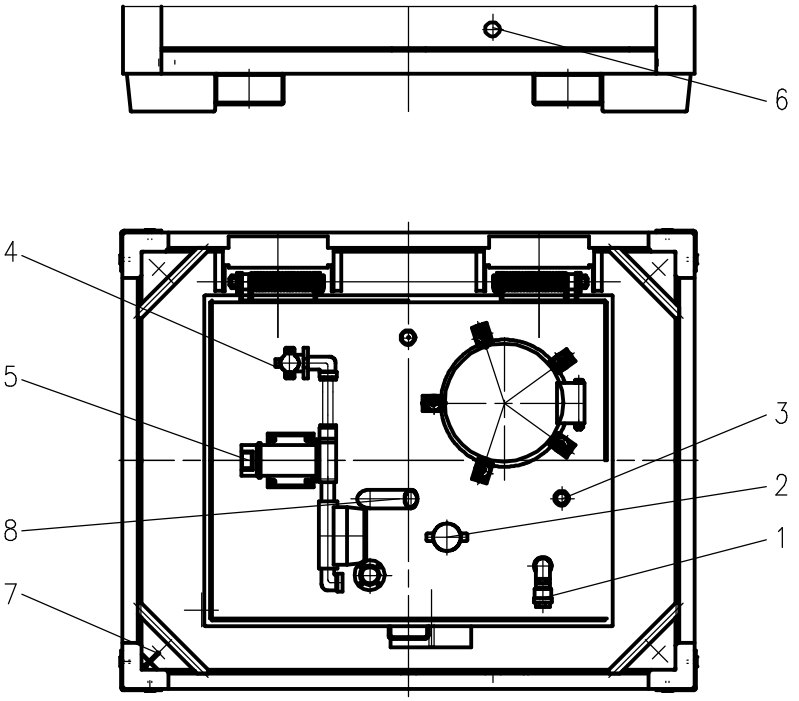
After sales service

After sales service is provided within the framework of the guarantee. The guarantee period is 1 year after commissioning and applies to all parts except for wearing parts.

Any after sales service beyond this period is subject to special agreements or may be agreed with us as needed.

For any other technical issues, please contact us at the address indicated above.

Operating instructions



Filling the tank	
-	Open ball valve 1
-	Connect tanker coupling 2 (alternatively put the nozzle into the aperture)
-	Connect limit indicator 3
-	Fill the tank
Filling construction equipment	
-	Open ball valves 1 + 4
-	Switch on pump 5 (max. power-on time 15 min.)
-	After switching off the nozzle, immediately switch off the pump.
Transport	
-	Prior to transport, close ball valves 1+ 4.
Transport	
-	Check the retention bund on a regular basis using inspection glass 6 and dipstick 7.